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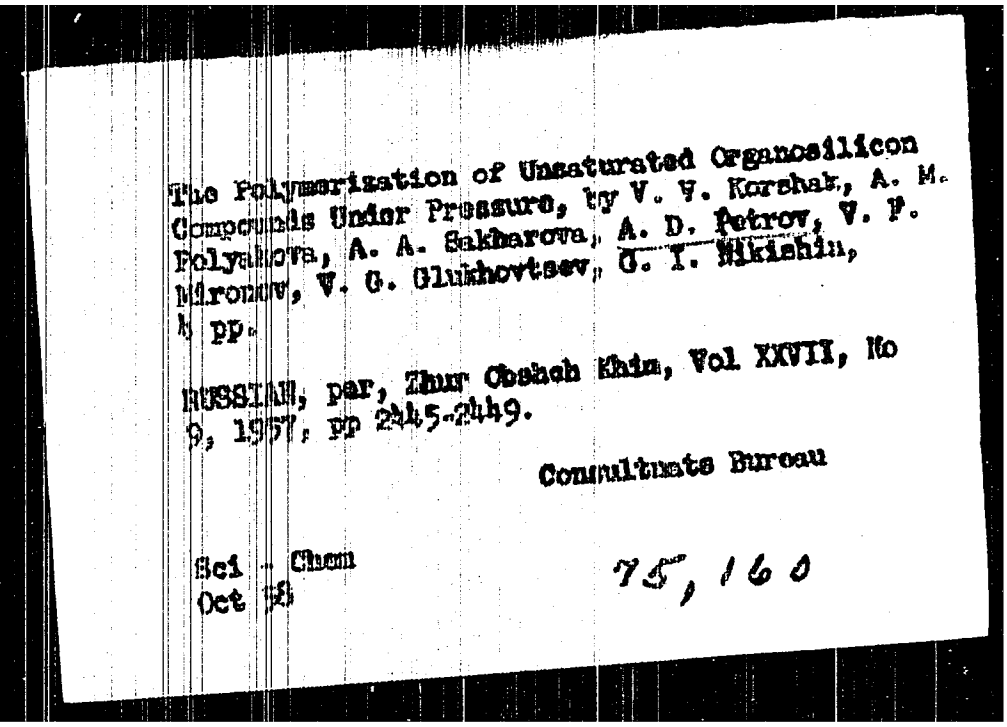

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Darstellung und Eigenschaften von Siliziumkohlenwasserstoffen. 1955 Übersetzungen auslandischer Fachliteratur, Heft 1. by A. D. Petrov, V. F. Mironov

Translated from the Russian original. 1953.

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Synthesis of Some Alkylbenzenes and Alkylcyclohexanes of the Composition C_{14}-C_{15}, by A. D. Petrov, E. P. Zakharov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 11, 1957, pp 2290-2293.

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The Influence of the Nature of the Metal on the Yields of Alkanes Synthesized by the [illegible] Wurtz Reaction, by A. D. Petrov, O. M. Nefedov, F. I. Grigoryev, 5 pp.

RUSSIAN, pub, Zhur Obshch Khim, Vol XXVII, No 7, 1957, pp 1876-1880.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Metalloorganic Synthesis of Bis Dibiphenylalkanes and Diphenylalkanes. III. A. D. Petrov, E. P. Kaplan, Z. I. Letina and Yu. P. Egorov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 3, 1958, pp 603-612.

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Synthesis of β,β - Dichlorovinylalkyldichlorosilanes, by A.D. Petrov, V.F. Mironov, D. Komanich, 3 pp.

RUSS.JAN, par, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1957, pp 1393-1394.

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Silicoalkylation of Aromatic Compounds by Dichloroalkylsilane Chlorides. by E. A. Chernyshev, M. E. Dolgaya, Yu. P. Egorov, L. V. Semenov and A. D. Petrov. 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 3, 1958, pp 613-616.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

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Reaction of tert-Butyllithium with Esters, by
A. D. Petrov, E. D. Sokolova, Gao Chin-lan,
& PP.

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1957, pp 871-872.

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May 58

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Reaction of 2-Methyl-2-Phenylpropylmagnesium Chloride with Allyl and 2-Methylallyl Chlorides, by A. D. Petrov, G. M. Nefedov, Yu. N. Ogibin, 3 pp.

[illegible], per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1957, pp 1004-1006.

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Chloroplatinic Acid as a Catalyst for the Addition of Silanes Containing Silicon-Attached Hydrogen to Unsaturated [redacted] Compounds, by V. A. Ponomarenko, V. O. Chernyshev, A. D. Petrov, N. A. Zadorozhnyi, 5 pp.

RUSSIAN, por, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1958, pp 247-248.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

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Synthesis and Properties of Some Bis(trimethylsilyl) Propylenes, by A.D. Petrov, V.F. Mironov, V.G. Glukhovtsev, Yu. P. Egorov, 9 pp.

RUSSIAN, Zhur, Ya Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1957, pp 1091-1100

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

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Synthesis and Viscosities of 1-Alkylnaphthalenes and Their Decahydro-Derivatives, by A.D. Petrov, O.M. Nefedov, V.D. Vorobyev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1957, pp 1105-1110

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(2369-N)

The Organolithium Synthesis of Hydrocarbons and Their Oxygen-Containing Derivatives, by A. D. Petrov, Ye. P. Sokolova, Gao Chin-lan, 7 pp.

RUSSIAN, Ivz. Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, Vol XXVII, No 12, 1959, pp 1471-1475.

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Sci - Chem
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Synthesis and Dehydration of Unsaturated Silicon-Containing Alcohols, by A. D. Petrov, L. L. Shchukovskaya, S. I. Sadykh-Zade and Yu. P. Egorov, 8 pp.

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Organic Fluorosilicon Compounds. Simple Organic Fluorosilicon Ethers, by A. D. Petrov, V. A. Ponomarenko, G. V. Odabashyan. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 307-310.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

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Synthesis and Transformations of Butadienylsilanes, by S. I. Sadykh-zade, A. D. Petrov, 5 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII, No 6, 1958, pp 1542-1547.

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Direct Synthesis of Silane Chlorides From Dichlorides of the Vinylallyl Type, by A. D. Petrov, S. I. Sadykhzade, N. P. Smetankina, Yu. P. Egorov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5, May 1956, pp 1255-1257.

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Direct Synthesis of Alkylpolysilane Chlorides, by
A. D. Petrov, S. I. Sadykhzade, E. A. Chernyshev,
V. [illegible]onov, V. F. Mirnov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
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The Stability of the Si-C Bond in Aromatic and Hydroaromatic Silanes to the Action of Acidic Reagents, by A. D. Petrov, T. I. Chernyshova, R. A. Chernyshev, 4 pp.

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Optical Investigation of Tetraethylsilane and Chloro (Ethyl) Silanes and the Behavior of these compounds in Chlorination, by M. I. Bstuov, A. D. Petrov, V.A. Ponomarenko, A. D. Matveyeva, 8pp.

RUSSIAN, per Iz Ak Nauk SSSR, Otd Khim Nauk, No. 9, Sep ~~1957~~ 1956, pp 1070-1076.

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Catalytic Polymerization of Propene Under Pressure, by L. I. Antsus, A. D. Petrov, 8 pp.

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Synthesis and of Unsaturated Organogermanium Compounds, by A. D. Petrov, V. F. Mironov, I. E. Golgy, 3 pp.

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Polymerization and Copolymerization of Alkenylsilanes Under High Pressure. Communication 3, by A. M. Polyakova, V. V. Korshak, A. A. Sakharova, A. D. Petrov, V. F. Mironov, G. I. Nikishin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, Aug 1956, pp 979-985.

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Equilibrium Mixtures of Five- and Six-Membered Cyclones, by Al. A. Khrev, 4 pp.

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Determination of the Degree of Branching of C12 - C16 Paraffin Hydrocarbons by Infra-Red Spectroscopy, by Yu. P. Egorov, Al. A. Petrov, 6 pp.

RUSSIAN, bimo per, Zhur Anal Khim SSSR, Vol XI, No 4, 1956, pp 483-488.

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Catalytic Properties of Activated Aluminum Oxide (In Isomerization Reactions of Unsaturated Hydrocarbons), by K. G. Messerov, O. E. Morozova, Al. A. Petrov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 12, 1955, pp 2201-2208. CIA 542770-C, revl 4.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Petrov, A. D., Shchupina, Z. K., and Ol'dekop, Yu. A.

SYNTHESIS OF 9,10-DIMETHYLOCTADECANE AND 9,10-DIPROPYLOCTADECANE. [1961] 3p. 13 refs. Order from OTS or SLA $1.10 61-18202

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14, p. 498-500).

DESCRIPTORS: Synthesis, *Propanes, Hydrocarbons, *Fuel oil, Methyl radicals, Alkyl radicals, Propyl radicals, *Methanes, Viscosity, Antiknock.

Synthesis of two isoparaffins with 20 and 24 carbon atoms, respectively, was effected, namely, 9,10-dimethyloctadecane and 9,10-dipropyloctadecane. These hydrocarbons are characterized by low pour points, satisfactory antiknock properties and a flat temperature-viscosity curve. (Author)

(Chemistry--Organic, TT, v. 6, no. 8)

61-18202

I. Petrov, A. D.
II. Shchupina, Z. K.
III. Ol'dekop, Yu. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Petrov, A. D. and Lapteva, E. I.
SYNTHESIS AND PROPERTIES OF SOME HIGHER HOMOLOGS OF BENZENE, III. [1961] 3p. 12 refs.
Order from OTS or SLA $1.10 61-18203

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14, p. 495-497.

DESCRIPTORS: "Benzenes, Synthesis, Chemical properties.

Properties of newly synthesized propyloctylphenylmethane and dibutylnonylphenylmethane were studied and blending cetene numbers of methylnonylphenylmethane were determined. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-18203

I. Petrov, A. D.
II. Lapteva, E. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Petrov, A. D. and Kurbakii, G. P.
SYNTHESIS AND PROPERTIES OF MONOALKYL NAPHTHALENES C_{17}-C_{21} AND SOME HYDROGENATED DERIVATIVES OF THEM. [1961] 3p. 8 refs.
Order from OTS or SLA $1.10 61-18204

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14, p. 492-494.

DESCRIPTORS: *Naphthalenes, Synthesis, Antiknock, Alkyl radicals, Hydrocarbons.

Synthesis of four alkylated naphthalenes with from 17 to 21 carbon atoms is reported; two of these were hydrogenated to the corresponding decalin derivatives. Pour points and antiknock properties of these hydrocarbons expressed in cetene numbers were determined. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-18204

I. Petrov, A. D.
II. Kurbakii, G. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Petrov, A. D. and Chel'tsova, M. A.
SYNTHESIS AND PROPERTIES OF AROMATIC AND NAPHTHENIC HYDROCARBONS WITH FROM 19 TO 26 CARBON ATOMS, II. [1961] 7p. 17 refs.
Order from OTS or SLA $1.10 61-16537

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 87-94.

DESCRIPTORS: *Fuel oil, *Benzenes, *Cyclohexanes, Naphthalenes, *Hydrocarbons, Synthesis, Chemical properties, Alkyl radicals.

Synthesis of 12 hydrocarbons with from 19 to 26 carbon atoms is reported, mainly monoalkylbenzenes and monoalkylcyclohexanes. Physical constants and the most important technical properties characterizing these hydrocarbons as Diesel fuel constituents have been evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16637

I. Petrov, A. D.
II. Chel'tsova, M. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720029-4

Spectroscopic Investigation of Factors Conditioning β-Elimination Reactions of β-Halcalkylsilanes, by M. I. Batuev, A. D. Petrov, V. A. Ponomarenko, A. D. Matveyeva, 10 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8, 1956, pp 2336-2345.

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Synthesis of α-(Trimethylsilyl)Styrene, 1-(Trimethylsilyl)Cyclohexene, and Other Unsaturated Organosilicon Compounds, by A. D. Petrov, V. F. Mironov and V. G. Glukhovtsev, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, 6, 1957, pp 1535-1539.

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(and Alkylhydrosilanes)

The Addition of Polyhalogensilanes to Compounds Containing a Triple Bond, by L. L. Shchukovskaya, A. D. Petrov, Yu. P. Egorov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 12, 1956, pp 3338-3340.

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The Synthesis of Branched Aliphatic Hydrocarbons of Composition C_{10} - C_{15} by the Grignard and Grignard-Wurtz Reactions, by A.D. Petrov, V. L. Sushchinsky, E. P. Zakharov and T. I. Rogozhnikova, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 2, 1957, pp 467-472.

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Allene-Acetylenic Isomeric Transformations in the Silicohydrocarbon Series, by S. I. Sadykhzade, Yu. P. Egorov, A. D. Petrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 3, pp 620-623. 1957

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Direct Synthesis of Naphthyltrichlorosilane, by
P. S. Sanin, A. D. Petrov, 2 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 4,
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The Organomagnesium Synthesis and Hydrogenation of Triphenylalkyl-methanes, by M. A. Cheltsova, A. D. Petrov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXVII, No 3, 1957, pp 600-603.

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The Synthesis of 2,2,3,5,6,8,9,9,-Octamethyldecadiene-3,7, 3,5,6,6-Tetramethyl-2-Carboxy-4-Heptenic Acid-1 and 3,5,6,6,-Tetramethyl-4-Heptenic Acid-1, by A. D. Petrov, V. N. Gramenitskaya, M. P. Shebanova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 12, 1956, pp 3324-3327.

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Optical Investigation of the Si-H Bond and Peculiarties in its Chemical Behavior in Various Compounds, by M. I. Batuev, A. D Petrov, V. A Ponomarenko, A. D. Matveyeva, 8 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1956, pp 1243-1249.

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Reaction of 1,4-Dilithiumdihydrodiphenyl With Alkyl Halides, by E. P. Kaplan, Z. I. Letina, A. D. Petrov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5, May 1956, pp 1243-1245.

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Synthesis of Silicon-Containing Ethers and Diethers, by S. I. Sadykhzade, I. I. Tsetlin, A. D. Petrov, 4 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XXVI, No 5, May 1956, pp 1239-1242.

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The Organometal Synthesis of Dibiphenylalkanes and Their Hydrogenation, by A. D. Petrov, E. P. Kaplan, Z. I. Latina, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5, May 1956, pp 1246,1247.

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Synthesis of Trialkylsilylmethyl Thiocyanates and β-(Trialkylsilylalkoxy) Propionitriles, by A. D. Petrov, V. F. Mironov, N. A. Pogonkina, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol C, 1955, pp 81-84.

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Synthesis of Silicohydrocarbons from Tertiary, Secondary and Primary β -Halosilanes, by A. D. Petrov, V. F. Mironov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXX, 1951, pp 761-764.

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